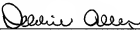


IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	§	
JIMMIE D. WEAVER ET AL.	§	Group Art Unit: 1712
	§	
Serial No.: 10/670,412	§	
	§	Examiner: Tucker, Philip C.
Filed: September 24, 2003	§	
	§	
Title: "METHODS AND COMPOSITIONS	§	Atty. Docket No.: HES 2002-IP-007995U1
FOR TREATING SUBTERRANEAN	§	
FORMATIONS"	§	
	§	

MAIL STOP AF  
Honorable Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

CERTIFICATE OF FILING ELECTRONICALLY VIA EFS MPEP 503
I HEREBY CERTIFY THAT I HAVE A REASONABLE BASIS FOR BELIEF THAT THIS CORRESPONDENCE IS BEING SUBMITTED TO THE UNITED STATES PATENT AND TRADEMARK OFFICE VIA EFS (ELECTRONICALLY) ON THE DATE INDICATED BELOW, AND IS ADDRESSED TO:
MAIL STOP AF COMMISSIONER FOR PATENTS PO BOX 1450 ALEXANDRIA, VA 22313-1450
 Debbie Allen
DATE OF SUBMISSION: APRIL 3, 2007 ELECTRONIC FILING (EFS)

**AMENDMENT AND RESPONSE UNDER 37 C.F.R. § 1.116 TO  
FINAL OFFICE ACTION, MAILED FEBRUARY 16, 2007**

Dear Honorable Commissioner:

In response to the Final Office Action mailed on February 16, 2007 (the "Final Office Action"), Applicants submit this response and respectfully request reconsideration of the Examiner's rejections. Because this response has been filed within two months of when the Final Office Action was issued, Applicants respectfully request that the Examiner issue an advisory action if the Examiner does not find the claims to be allowable in light of the amendments and remarks made herein.

In response to the Final Office Action, Applicants submit the following:

- **Amendments to the Specification**, which begin on page 3 of this paper;
- **Amendments to the Claims**, which are reflected in the listing of claims that begins on page 4 of this paper; and
- **Remarks/Arguments**, which begin on page 12 of this paper.